ABSTRACT

A method, apparatus, and system for managing network devices is disclosed. The method preferably includes the steps of monitoring for a change to the value of one or more local resource properties associated with the managed network device; generating a learning event report comprising the value of at least one of the one or more local resource properties; and transmitting the learning event report to a central data store. At the central data store, the value of the one or more local resource properties are recorded and made available to the network management system for asynchronous processing. The central data store is preferably a directory server.   The apparatus preferably includes a local resource manager for monitoring the value of one or more local resource properties; detecting the changes to one or more local resource properties; generating one or more learning event reports including the changes to the local resource properties; and transmitting the one or more learning event reports to the central data store. The invention reduces the burden on the network management system to regularly poll the numerous devices under management while improving accuracy.